FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

# STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

OMB Number: 3235-0287 Estimated average burden hours per response: 0.5

#### Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*  Miller Edward  (Last) (First) (Middle)  C/O ALEXION PHARMACEUTICALS, INC  100 COLLEGE STREET					<u>A</u>	ALEXION PHARMACEUTICALS INC [ ALXN ]  3. Date of Earliest Transaction (Month/Day/Year) 02/27/2017								ck all applic Directo	tionship of Reporting Pers all applicable) Director Officer (give title below)		on(s) to Issu 10% Ow Other (s below)	ner
					02									SVP, (	SVP, Chief Compliance Officer			
(Street)  NEW HA	EW HAVEN CT 06510					4. If Amendment, Date of Original Filed (Month/Day/Year)								ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
		Tal	ole I - No	n-Deri	ivativ	e Se	curities	Ac	quired,	Dis	sposed of	, or Ber	neficiall	y Owned				
1. Title of Security (Instr. 3)  2. Transa Date (Month/D				Execution Date,			3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 a		(A) or 3, 4 and 5)	Beneficia Owned F	es For ally (D) Following (I) (I		: Direct I r Indirect I str. 4)	7. Nature of Indirect Beneficial Ownership		
								Code	v	Amount	(A) or (D)	Price	Reported Transact (Instr. 3 a	ion(s)			(Instr. 4)	
Common Stock, par value \$.0001 per share 02/27/				7/2017	017		S		260(1)	D	\$131.20	<sup>2)</sup> 15,	214		D			
Common Stock, par value \$.0001 per share 02/28/.				3/2017	:017		S		330(1)	D	\$131.7	2) 14,	1,884		D			
Common Stock, par value \$.0001 per share 02/28/2				3/2017	.017		A		4,400(3)	A	\$0	19,	19,284		D			
			Table II								osed of, convertib			Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year		4. Transacti Code (Ins 8)				6. Date Exercisable an Expiration Date (Month/Day/Year)		ite	7. Title and Amount of Securities Underlying Derivative Sec (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficia Owned Following Reported	e s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)			
Option to Purchase Common Stock	\$131.25	02/28/2017			A		8,700 <sup>(4)</sup>		02/28/20	018	02/28/2027	Common Stock, par value \$.0001 per share	8,700	\$0	8,700	)	D	

### **Explanation of Responses:**

- 1. This sale was made to cover withholding taxes immediately following the vesting of previously granted Restricted Stock Units.
- 2. This transaction was executed in multiple trades through a broker-dealer at prices ranging from \$131.00 \$131.99. The price reported in this column reflects the weighted average sales price. Upon request, the reporting person will provide to the SEC staff full information regarding the number of shares sold at each price.
- 3. Award of Restricted Stock Units under the 2004 Incentive Plan. 25% vests on each anniversary of the grant date.
- 4. Stock option award under 2004 Incentive Plan. 25% vest on the first anniversary of the grant date, 1/16 every three months thereafter until fully vested over 4 years.

## Remarks:

/s/ Michael Greco, Attorney-in-Fact for Edward Miller 03/01/2017

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.